TECHNICAL WORK MAY NOT BEGIN PRIOR TO CO APPROVAL

NASA/GODDARD SPACE FLIGHT CENTER

REQUEST FOR TASK PLAN / TASK ORDER

CONTRACTOR	CONTRACT NO./TASK NO.			JOB ORDER NUMBER	APPROP. FY
	NAS5-	TASK NO.	AMENDMENT		
QSS Group, Inc.	99124	29		924-227-62-41-89	99

TASK TITLE: (NTE 80 characters; include Project name)

GLAS Instrument Electronics Engineering Services

APPROVALS: (Type or print name and sign)

		DATE	ORG CODE	MAIL CODE	PHONE
ASSISTANT TECHNICAL REPRESENTATIVE (OR TASK MONITOR)					
Gregory L. Henegar	Robert L Kasa	4/19/99	564	564	301-286-7847
BRANCH HEAD			CODE		PHONE
Robert Kasa	Robert L Kasa	4/19/99	564		301-286-8043
CONTRACTING OFFICER'S TECHNICAL REPRESENTATIVE (COTR)					
Fred Huegel	Deborah A. Clark	4/19/99	568		301-286-2285

FLIGHT HARDWARE, CRITICAL GSE OR SOFTWARE? (IF YES, NEED CODE 303 CONCURRENCE NEXT BLOCK)	CONTRACTING OFFICER'S QUALITY REP.	DESIGNATED FAM:
[x] NO [ ] YES	Larry Moore	

The contractor shall identify and explain the reason for any deviations, exceptions, or conditional assumptions taken with respect to this Task Order or to any of the technical requirements of the Task Order Statement of Work and related specifications. The contractor shall complete and submit the required Reps and Certs.

(To be completed by Contracting Officer)
C.O. Requested Quote on:
Date: APR 21 1999

Contractor will develop specification or statement of work under this task for a future procurement. [X] NO [ ] YES

Flight hardware will be shipped to GSFC for testing prior to final delivery. [ ] NO [ ] YES [X] N/A

Government Furnished Property/Facilities: [X] NO [ ] YES -- SEE LIST OF GFP (offsite only) / FACILITIES (onsite only)

Onsite Performance: [ ] NO [X] YES If yes: [ ] TOTAL [X] PARTIAL
If partial, indicate onsite work in SOW by asterisk (*)

Surveillance Plan Attached: [X] NO [ ] YES

Highlighted Contract Clauses: *(to be completed by Contracting Officer)*

Per Clause H.14, Task Ordering Procedure, subparagraph (f), the effective date of this task order shall be May 3, 1999.

INCENTIVE FEE STRUCTURE (check one)

(See Contract NAS5-99124, Attachment K, Incentive Fee Plan)

	___ No. 1	___ No. 2	_X_ No. 3	___ No. 4	___ No. 5
Cost	10%	50%	25%	25%	%
Schedule	15%	25%	25%	50%	%
Technical	75%	25%	50%	25%	%

(To be completed by Contracting Officer)

The target cost of this task order is $ 88,764.
The target fee of this task order is $ 5,735.
The total target cost and target fee of this task order as contemplated by the Incentive Fee clause of this contract is $ 94,499.

The maximum fee is $ 8,382.
The minimum fee is $0.

AUTHORIZED SIGNATURE:

THIS TASK ASSIGNMENT IS ISSUED ACCORDING TO THE CONTRACT CLAUSE "TASK ASSIGNMENTS AND REPORTS"

Lorrie L. Eakin	11/19/99	Lorrie L. Eakin Contracting Officer
SIGNATURE OF CONTRACTING OFFICER	DATE	TYPED NAME OF CONTRACTING OFFICER

CONTRACTOR'S ACCEPTANCE:

AUTHORIZED SIGNATURE	DATE

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	NAS5-	TASK NO.	AMENDMENT
QSS Group, Inc.	99124	29	

Applicable paragraphs from contract Statement of Work: 2D, 2E, 4F

STATEMENT OF WORK: (Continue on blank paper if additional space is required)

The Contractor shall perform engineering design, fabrication, and testing services as members of the GLAS Instrument Electronics Team. These services include:

- Development of the following Engineering Model and Flight Model Electronics boards*: Photon Counter, Cloud Digitizer, Housekeeping, Temperature Controller, Laser Monitor, Oscillator/Switch, Motherboard, Energy Monitor, and 2 types of Motherboard Extenders. This includes design of the electronics boards, prototyping and testing of key circuits, development of schematics, monitoring and approval of printed circuit board layout, standalone testing of individual circuit boards, support for the integration and testing of the GLAS Main Electronics Unit (MEU), and support for the integration and testing of the MEU with the GLAS Instrument. The Contractor shall consult with the other GLAS engineers as needed to ensure a consistent and correct design of the MEU as a whole.
- Parts Engineering Support for the GLAS electronics team. This support includes component selection, parts list development, and parts list maintenance for the Engineering Model and Flight Model Electronics. The Contractor shall work closely with the GLAS Instrument Parts Engineer to coordinate the parts engineering effort for the MEU, PDU, and HVPS.
- Logistical support for quick-turnaround engineering services. This includes acquisition of small quantities of parts for the GLAS MEU. This also includes services such as Printed Circuit Board layout, fabrication, and assembly, and breadboard assembly. This requirement will be small quantity or low volume work only.

These services are to be provided as part of an integrated GLAS Electronics Team consisting of Civil Servants and other contractors, with many interdependencies between individuals and organizations.

PERFORMANCE SPECIFICATIONS:

The Electronics boards shall meet the overall interface and performance specifications defined in the Geoscience Laser Altimeter System Functional Requirements Document (GLAS-924-REQ-001).

APPLICABLE DOCUMENTS:

None.

TASK END DATE: 9/30/99

MILESTONES/DELIVERABLES AND DATES:

Engineering Model Integration to start 5/3/99
Engineering Model Integration to be complete ~~8/31/99~~ 9/30/99
Flight Model Design to begin 6/1/99
Flight Model Design to be complete 9/30/99

PERFORMANCE STANDARDS:

Schedule: Engineering Model MEU and flight board designs delivered on-time
Technical: Meets performance specifications as determined by the ATR

FINAL DELIVERY DESTINATION (NAME, BLDG, ROOM):

Gregory Henegar, building 11, room E239